

CURRICULUM VITAE

CATHERINE HAMMETT - STABLER

PERSONAL DATA:

Business Address: Clinical Chemistry Laboratory
Room 1077 East Wing, CB #7600
University of North Carolina Hospitals
University of North Carolina
School of Medicine
Chapel Hill, NC 27514

EDUCATION:

B.A. Degree (Chemistry)
Rollins College
Winter Park, FL

M.S. Degree (Medical Science in Pathology/Clinical Chemistry)
University of Florida
Gainesville, FL

Ph.D. Degree (Experimental Pathology)
University of Alabama at Birmingham
Birmingham, AL

EMPLOYMENT HISTORY:

Current positions:

Assistant Professor, Department of Pathology and Laboratory Medicine, University of North Carolina-Chapel Hill,
(2000-present)

Associate Director of Core Laboratory (Clinical Chemistry: Clinical Toxicology, Clinical Pharmacology, Endocrinology, Pediatric Metabolism, Special Chemistry) McLendon Laboratories, UNC Hospitals, Chapel Hill, NC (2000-present)

Co-Director, Post-Doctoral Training Program in Clinical Chemistry (program accredited by Commission on Accreditation in Clinical Chemistry, 2002-2006) (2000-present)

Past positions held:

Assistant Professor; Coordinator, Master of Science Program (clinical chemistry); Department of Pathology, Immunology and Laboratory Medicine; University of Florida (1994-1999)

Associate Medical Director of Clinical Chemistry, Core Laboratory, Clinical Laboratories; Shands Hospital; Gainesville, FL (1994-1999)

Chief, Quality Assurance Division; Air Force Drug Testing Laboratory; Brooks Air Force Base, TX (1994)

Toxicologist; Air Force Drug Testing Laboratory; Brooks Air Force Base, TX (1993)

Instructor; Department of Pathology, Division of Laboratory Medicine; University of Alabama at Birmingham

Director of Clinical Chemistry, Endocrine Section; Director of Stat Laboratory - Evening/Night; Co-director of SICU Laboratory; University of Alabama at Birmingham Hospitals and Clinics; Birmingham, AL (1990-1992)

Summer Faculty; United States Air Force Office of Scientific Research, Armstrong Laboratory; Brooks Air Force Base, TX (1992)

Research Assistant II; Department of Pathology, Division of Clinical Pathology; University of Alabama at Birmingham; Birmingham, AL (1982-1989)

Medical Technologist; Department of Pathology, University of South Alabama Medical Center; Mobile, AL (1978-1980)

Research Technologist II; Department of Biochemistry, Department of Medicine, University of Florida; Gainesville, FL (1974-1978)

CERTIFICATION and LICENSURE:

National Registry in Clinical Chemistry, Clinical Chemist
American Board of Clinical Chemistry

PROFESSIONAL HONORS AND AWARDS:

Sigma Xi

National Academy of Clinical Biochemistry, Fellow

American Association for Clinical Chemistry Clinical Chemists Recognition Award: 1998, 2001

American Association for Clinical Chemistry Outstanding Speaker Award: 1998, 2000, 2001

Philip M. Blatt Award for Excellence in Teaching in Clinical Pathology, Department of Pathology and Laboratory Medicine, 2001

PROFESSIONAL SOCIETIES:

American Association for the Advancement of Science

American Association for Clinical Chemistry
National Academy of Clinical Biochemistry
International Society for Pharmaceutical Engineering

PROFESSIONAL SERVICE:

Advisory Panels

Food and Drug Administration, Center for Devices and Radiological Health, Medical Devices
Advisory Committee, Clinical Chemistry and Clinical Toxicology Devices Panel, member

Consultantships

Applied Biotech, Inc; Scientific Review Board; San Diego CA

Editorial Appointments

Therapeutics and Toxins (2001-present)
Clinica Chimica Acta (1999-present)
Annals of Clinical and Laboratory Science (1999-2001)
Therapeutic Drug Monitoring and Clinical Toxicology Newsletter, Editor (1996-2000)
Therapeutic Drug Monitoring and Toxicology (1996-2000)
Clinical Chemistry News, Chair Board of Editors (1991-1992)
Clinical Chemistry News, Board of Editors (1988-1992)
Clinical Chemistry News, Editorial Advisory Board (1987)

Invited Reviewer

Analytical Chemistry
Archives of Pathology and Laboratory Medicine
Clinical Chemistry
Clinical Biochemistry
Clinica Chimica Acta

COMMITTEES:

Current UNC Hospital/University Affiliated:

Radiation Safety Subcommittee (2000-present)

International Society for Pharmaceutical Engineering (ISPE) UNC Student Chapter, (2000-present), faculty advisor

Medical Information Management Committee (2001-present)

Current National:

American Association for Clinical Chemistry
Nominating Committee, Chair-elect, (2002)
2003 Annual Meeting Organizing Committee, Vice-chair, (2001-2003)
Therapeutic Drug Monitoring and Clinical Toxicology Division, Chair-elect, (2001-2002)
Internet Educational Resource Group, (2001)

Pharmacogenomics 2002 Conference Organizing Committee, (2001-2002)

American Board of Clinical Chemistry
Board of Directors, member, (2001-2006)

National Academy of Clinical Biochemistry
Education and Scientific Affairs Committee, Co-chair, (2002-2004)
Long Range Planning Committee, member, (2001- 2004)

National Registry of Certified Chemists
Board of Directors, member, (2002-2004)

PAST COMMITTEE ACTIVITIES:

University/Hospital Affiliated:

Graduate Committee, member, Department of Pathology and Laboratory Medicine (1997-1999)
Department of Pathology Chair Search Committee, member, College of Medicine (1997-1998)
Pharmacy and Therapeutics Committee, chair, Department of Pathology, Immunology and Laboratory Medicine (1996-1999)
Variable Compensation Committee, (*ad hoc*) Department of Pathology, Immunology and Laboratory Medicine, University of Florida (1996-1999)
Residency Committee, member, Department of Pathology, Immunology and Laboratory Medicine, University of Florida (1995-1999)
Shands Hospital, Pharmacy and Therapeutics Committee (1995-1999)
Center for Environmental and Human Toxicology, University of Florida (1995-1999)
Residency Program Committee, Department of Pathology, University of Alabama at Birmingham (1991-1992)

National:

American Association for Clinical Chemistry
Therapeutic Drug Monitoring and Clinical Toxicology Division, Executive Committee and Newsletter Editor (1996-2000)
Therapeutic Drug Monitoring and Toxicology Laboratory Improvement Program Committee, member (1998-2000)
Organizing Committee 2000 Annual Meeting, Edutrak Coordinator (1998-2000)
Therapeutic Drug Monitoring and Toxicology Laboratory Improvement Program Committee, Corresponding Committee Consultant (1996-1997)
Therapeutic Drug Monitoring and Clinical Toxicology Division, Nominating Committee (1996-1997)
1996 Annual Meeting Abstract Reviewer (1995-1999)
Clinical Toxicology Quality Control/Quality Assurance Task Force, Therapeutic Drug Monitoring and Clinical Toxicology Division (1995-1996)
Therapeutic Drug Monitoring and Clinical Toxicology Division, Secretary (1995-1996)
Executive Committee, Member-at-large, Therapeutic Drug Monitoring and Clinical Toxicology Division (1993-1994)

Nominating Committee, Southeast Section (1992)
Commission on Publications (1991-1992)

Association of Clinical Scientists
Scientific Council, member (1999-2001)

Gainesville Area Chamber of Commerce
Drug Free Workplace Committee, Chairman (1996)
Drug Free Workplace Committee, member (1995)

National Academy of Clinical Biochemistry
Standards of Practice in Therapeutic Drug Monitoring Committee, Co-chairman (1995-1997)

International Association of Therapeutic Drug Monitoring and Clinical Toxicology
Contributed Papers Committee, International Congress of Therapeutic Drug Monitoring and Clinical Toxicology (1995)

Advisory Panels
Food and Drug Administration, Center for Devices and Radiological Health, Medical Devices Advisory Committee, Clinical Chemistry and Clinical Toxicology Devices Panel, consultant (appointment 2001)

TEACHING RESPONSIBILITY:

University of North Carolina

Undergraduate Teaching:

CLSC 60 Clinical Chemistry 2000 - 2002
Lecture topics: Clinical and Forensic Toxicology, Therapeutic Drug Monitoring
Laboratory Session: TDM and Toxicology

CLSC 60 Clinical Chemistry 2000
Lecture topics: Clinical and Forensic Toxicology, Therapeutic Drug Monitoring

Graduate Teaching:

PATH 223 Special Methods in Pathology 2000-2002
Lecture topics: Core and Instrumentation Laboratories

Medical Student Teaching:

PATH 222 Pathology 2001-2002
Lectures: Pediatric Laboratory Medicine
Laboratory sessions: Cardiovascular 3, Pediatrics Pathology, Liver 1, Transplantation, ENDO Path 1, 2

PATH 222 Pathology, 2000-2001

Laboratory sessions: Cardiovascular 3; Pediatrics 1; Liver 1,2,3; Transplantation

Faculty Advisor:

UNC Student Chapter of ISPE (International Society of Pharmaceutical Engineers)

Medical Student Faculty Advisor

Pathology and Laboratory Medicine Residency Program:

Core Laboratory Rotation

Lecture topics:

Clinical Toxicology

Methods and procedures for drug testing, drugs of abuse, aspirin, acetaminophen, heavy metals, pesticides, comparisons to forensic testing

Therapeutic Drug Monitoring

Methods and procedures, review of drugs monitored, review of monitoring recommendations

Regulatory issues

CAP requirements, proficiency testing and reviews

Moderator: Residents Clinical Pathology Conference and Report

Resident Didactic Series

Hemoglobinopathies and Hemoglobin Electrophoresis

Serum and Urine Protein Electrophoresis

More Enzymes

Post-Doctoral Training Program in Clinical Chemistry:

Direct supervision and direction

Lecture topics:

Clinical Toxicology

Therapeutic Drug Monitoring

Regulatory issues

Continuing Education Lectures:

1. McLendon Clinical Laboratories Continuing Education Series. Mystery in the Lab. June 15, 2000.
2. Clinical Pathology Conference (pathologist). Aspirin Intoxication – Salicylism. August 22, 2000.
3. McLendon Clinical Laboratories Continuing Education Series. Osteoporosis: Testing Options and Strategies. February 16, 2001.
4. McLendon Clinical Laboratories Continuing Education Series. What Every Clinical Laboratory Scientist Needs to Know About Complementary and Alternative Medicines, June 27, 2002.
5. Department of Pathology and Laboratory Medicine Grand Rounds, The Dark Side of Complementary and Alternative Medicine: Analytical, Toxicological, and Regulatory Issues in Pathology, July 11, 2002.

University of Florida

Undergraduate Teaching:

CHM 4130L Instrumental Analysis Laboratory
Lecture topic: Analytical Chemistry in Pathology Lab
PHRM Pharmacy Laboratory
Lecture Topics: Drugs and Clinical Lab Testing

Graduate Teaching:

Program director, Master's of Science in Medical Science, Clinical Chemistry
Coursemaster, and primary lecturer (1995-1999)

GMS 6312 Clinical Chemistry and Toxicology
GMS 6313 Clinical Chemistry and Toxicology Rotations
GMS 6393 Clinical Chemistry Seminar
GMS 6381 Special Topics in Pathology (summer only)
GMS 6971 Masters Research

Medical Student Teaching:

BMS 5600 Systemic Pathology Student Rotations (1999)
Laboratory Medicine Rotations

BMS 5600 Systemic Pathology (1997-1999)
Student Case Mentor - Osteoporosis

BMS 5204 Medical Biochemistry (1995-1999)
Clinical Correlations Moderator

PATH C34 Senior Elective in Clinical Chemistry (1995-1999)
Co-Coursemaster, Variable topics

BMS 5600 General Pathology and Systemic Pathology (1995-1999)
Lecture topics: Tumor Markers, Clinical Toxicology, Therapeutic Drug Monitoring, Fetal
Testing - FLM and Hemolytic Disease of the Newborn, Thyroid Testing, Cardiac
Monitoring

Dental Student Teaching:

BMS 6350C Dental Pathology (1998-1999)
Lecture topics: Hemostasis and Thrombosis

Pathology and Laboratory Medicine Residency Program:

Residents Laboratory Medicine General Rotations (1997-1999)
Coursemaster

Residents Lecture Series (1995-1999)
Lecture topics: Fetal Lung Maturity Testing, TDM of New Immunosuppressive Drugs,

Monitoring Bone Metabolism and Osteoporosis, Catecholamines and Pheochromocytoma, Metal Toxicology, CAP Inspection Training

Residents Clinical Chemistry Rotation (1995-1999)
Coursemaster and primary lecturer

Residents Lecture Series (1994)
Lecture topics: Clinical toxicology, Fetal lung maturity testing, Therapeutic Drug Monitoring, Basics of Immunoassay

Other:

Florida Student Science Training Program 1996-1998
NSF Teacher Research Update Experience 1996-1998
Various lecture topics and shadowing

Continuing Education Lectures:

1. Fetal Lung Maturity Testing. Continuing Education Program. Shands Hospital Clinical Laboratories; Gainesville, FL; January 18, 1995.
2. Immunosuppressives into the 21st Century. Continuing Education Program. Shands Hospital Laboratories; June 18, 1996.
3. Laboratory Accreditation in Third World Countries - the PAHO/WHO Initiative. Continuing Education Program. Shands Hospital Laboratories; January 21, 1997.
4. Cardiac Testing - the Old and the New; Shands at UF In-Service; Gainesville, FL; June 11, 1998.
5. Chemistry Opportunities and Problems: Troponin and Polymerized Hemoglobin; Department of Pathology, Immunology, and Laboratory Medicine Faculty Seminar; June 15, 1998.
6. After the *Standards of Laboratory Practice* in Therapeutic Drug Monitoring. Where Do We Go Next? Department of Pathology, Immunology, and Laboratory Medicine Faculty Seminar; May 17, 1999.

University of Alabama at Birmingham

Undergraduate Teaching:

MT Basic Research Concepts (1989)
Lecture topics: Scientific Writing, Basic Research Concepts

Graduate Teaching:

Instrumentation (1982-1992)
Toxicology (1982-1992)
Clinical Chemistry (1982-1992)
Research Problems in Clinical Chemistry (1982-1992)
Lecture topics: as assigned

Medical Student Teaching:

Medical Biochemistry (1990-1992)

Lecture topics: Clinical Enzymology

Medical General Pathology (1989-1992)

Lecture topics and laboratory cases: Clinical Enzymology, Serum Proteins

Dental/Optomerty Student Teaching:

Dental/Optomerty General Pathology (1988-1992)

Lecture topics: Serum Enzymes and Proteins (lectures and laboratory cases)

Pathology and Laboratory Medicine Residency Program:

Clinical Chemistry Core Course (1989-1992)

Lecture topics: as assigned

Graduate Dental Pathology Program:

Graduate Dental Pathology (1990-1992)

Lecture topics: Clinical Enzymology

General:

Non-credit Scientific Writing Seminar (1988-1992)

Bill Weaver, Molly Engle, Catherine (Hammett-Stabler) Ketchum, Coursemasters

Continuing Education Lectures:

1. Fetal Lung Maturity Testing. University of Alabama at Birmingham, Clinical Pathology Conference; April 5, 1991.
2. R & D Overview. University of Alabama at Birmingham, Experimental Pathology Seminar; May 30, 1991.
3. Biomaterials and Medical Device Pathology: A Clinical Chemist's Unexpected Role. University of Alabama at Birmingham, Laboratory Medicine Conference; May 1, 1992.

PUBLICATIONS:

Refereed

1. Ketchum (Hammett-Stabler) CH, Maclaren NK. False Increase of B-Subunit Choriogonadotropin in Commercial Kit Results Because of Crossreactivity with Lutropin. Clin Chem 1982;28:1998-1999.
2. Ketchum (Hammett-Stabler) CH, Robinson CA, Scott JW. Analysis of Amoxapine, 8-Hydroxyamoxapine, and Maprotiline by High Pressure Liquid Chromatography. Ther Drug Monit 1983;5:309-312.
3. Robinson CA, Ketchum (Hammett-Stabler) CH. Monitoring of Cyclosporine A: Is it Possible? Ther Drug Monit 1983;5:371-372.
4. Robinson CA, Scott JW, Ketchum (Hammett-Stabler) CH. Propylene Glycol Interference with Ethylene Glycol Procedures. Clin Chem 1983;29:727.
5. Ketchum (Hammett-Stabler) CH, Riley WJ, Maclaren NK. Adrenal Dysfunction in Asymptomatic Patients with Adrenocortical Autoantibodies. J Clin Endocrinol Metab 1984;

58:1166-1170.

6. Ketchum (Hammett-Stabler) CH, Robinson CA, Hall LM, Grizzle WE, Maclaren NK, Riley WJ, Trost C. Clinical Significance and Partial Biochemical Characterization of Lactate Dehydrogenase Isoenzyme 6. *Clin Chem* 1984;30:46-49.
7. Robinson CA, Ketchum (Hammett-Stabler) CH, Grizzle WE, Hall LM, Alexander CB. Abnormal Lactate Dehydrogenase Isoenzyme Pattern in a Critically Ill Patient. *South Med J* 1984;77:921-923.
8. Ketchum (Hammett-Stabler) CH, Robinson CA, Hall LM, Grizzle WE. LD-6 Isoenzyme and Lactate-Independent Dehydrogenase Differ. *Clin Chem* 1984;30:1269-1270.
9. Murray FT, Cameron DF, Ketchum (Hammett-Stabler) CH. Return of Gonadal Function in Men with Prolactin-Secreting Pituitary Tumors. *J Clin Endocrinol Metab* 1984;59:79-85.
10. Vogel RB, Books CA, Ketchum (Hammett-Stabler) CH, Zauner CW, Murray FT. Increase of Free and Total Testosterone During Submaximal Exercise in Normal Males. *Med Sci Sports Exerc* 1985;17:119-123.
11. Chastain SL, Ketchum (Hammett-Stabler) CH, Grizzle WE. Elevated Atypical Creatine Kinase. *JAMA* 1986;256:3216.
12. Chastain SL, Ketchum (Hammett-Stabler) CH, Grizzle WE. Stability and Electrophoretic Characteristics of Creatine Kinase BB Extracted from Human Brain and Intestine. *Clin Chem* 1988;34:489-492.
13. Ketchum (Hammett-Stabler) CH, Robinson CA, Hall LM, Grizzle WE. Lactate Dehydrogenase Isolated from Human Liver Mitochondria: Its Purification and Partial Biochemical Characterization. *Clin Biochem* 1988;21:231-237.
14. Russell JC, Cooper CM, Ketchum (Hammett-Stabler) CH, Torday JS, Richardson DK, Holt JA, Kaplan LA, Swanson JR, Ivie WM. Multicenter Evaluation of TDx Test for Assessing Fetal Lung Maturity. *Clin Chem* 1989;35:1005-1010.
15. Ketchum (Hammett-Stabler) CH, Robinson CA, Huang ST. Analysis of 8-Methoxypsoralen by High Performance Liquid Chromatography. *Clin Chem* 1990;36:1956-1957.
16. Williams B, Ketchum (Hammett-Stabler) CH, Robinson CA, Bell DSH. Screening for Slight Albuminuria: A Comparison of Selected Commercially Available Methods. *South Med J* 1990;83:1447-1449.
17. Bourge RC, Kirklin JK, Naftel DC, Figg WD, White-Williams C, Ketchum (Hammett-Stabler) CH. Diltiazem-Cyclosporine Interaction in Cardiac Transplant Recipients: Impact on Cyclosporine Dose and Medication Costs. *Am J Med* 1991;90:402-404.
18. Bell DSH, Ketchum (Hammett-Stabler) CH, Robinson CA, Wagenknecht LE, William BT. Microalbuminuria Associated with Diabetic Neuropathy. *Diabetes Care* 1992;15:528-531.
19. Bourge RC, Kirklin JK, Ketchum (Hammett-Stabler) CH, Naftel DC, Mason DA, Siegel AL, Scott JW, White-Williams C. Cyclosporine Blood Monitoring After Cardiac Transplantation: A Prospective Comparison of Monoclonal and Polyclonal Radioimmunoassays. *J Heart Lung Transplantation* 1992;11:522-529.
20. Hammett-Stabler C. Nitric Oxide. *Therapeutic Drug Monitoring and Toxicology* 1994;11:257-270.
21. Piepmeier E, Hammett-Stabler C, Price ME, Kemper GB, Davis MG. Atmospheric Pressure Effects on Glucose Monitoring Devices. *Diabetes Care* 1995;18:423-424.
22. Price ME, Hammett-Stabler C, Kemper GB, Davis MG, Piepmeier EH. Evaluation of

- Glucose Monitoring Devices in the Hyperbaric Chamber. *Military Med* 1995;160:143-146.
23. Piepmeier E, Hammett-Stabler C, Price ME, Kemper GB, Davis MG. Myositis and Fasciitis Associated with Group A Beta Hemolytic Streptococcal Infections: Development of a Rabbit model. *J Lab Clin Med* 1995;126:137-143.
 24. Hammett-Stabler CA, Johns T. Laboratory Guidelines for Monitoring Antimicrobial Drugs. *Clin Chem* 1998;44:1129-40.
 25. Mullins ME, Hammett-Stabler CA. Intoxication With Nitromethane Containing Fuels: Don't be Fueled by the Creatinine. *J Tox Clin Tox* 1998;36:315-20.
 26. Gabrieli A, Hammett-Stabler CA. False Elevation of Serum Creatinine Following Skin Absorption of Nitromethane Complicates the Clinical Diagnosis of Rhabdomyolysis. *Chest* 1998;113:1419-22.
 27. Hammett-Stabler CA. Catecholamines and the Diagnosis of Pheochromocytoma. *Diagnostic Endocrinology and Metabolism*. 1998;16:235-48.
 28. Hammett-Stabler CA. Pharmacotherapeutic Interventions for the Treatment of Cystic Fibrosis. *Therapeutic Drug Monitoring and Toxicology* 1999;20: 91-108.
 29. Hammett-Stabler CA. P53 - Tumor Suppressor Genes in the Clinical Laboratory. *Therapeutic Drug Monitoring and Toxicology* 1999;20: 199-211.
 30. Khan SR, Maslamani SA, Atmani F, Glenton PA, Opalko FJ, Thamilselvan S, Hammett-Stabler C. Membranes and their Constituents as Promoters of Calcium Oxalate Crystal Formation in Human Urine. *Calcif Tissue Int* 2000;66:90-6.
 31. Hammett-Stabler CA. The Battle of Bones and Drugs. *Therapeutic Drug Monitoring and Toxicology* 2000; 21:91-107.
 32. Hammett-Stabler CA. Therapeutic Drug Monitoring of Antibiotics: Guidelines and Practice Issues. *Therapeutic Drug Monitoring and Toxicology* 2000;21: 171-188.
 33. Hammett-Stabler CA. Beyond Silent Spring: The Toxicology of Pesticides for the Clinical Chemist. *Therapeutic Drug Monitoring and Toxicology* 2000;21:275-86.
 34. Hammett-Stabler CA, Pesce A, Cannon D. The Medical Use of Urine Drug Screening. *Clinica Chimica Acta*, 2002; 315:125-135.
 35. Hammett-Stabler CA, Broussard LA, Winecker RE, Roper-Miller J. The Toxicology of Heavy Metals. Part I New Insights into an Old Poison, Arsenic. *Laboratory Medicine* 2002; 33:437-47
 36. Broussard LA, Hammett-Stabler CA, Winecker RE, Roper-Miller J. The Toxicology of Heavy Metals. Part II. Mercury. *Laboratory Medicine* 2002; 33:614-625.
 37. Winecker RE, Hammett-Stabler CA, Chapman JF, Roper-Miller JD. HbA1c as a Postmortem Tool to Identify Glycemic Control. *J Forensic Sci* (in press, Nov 2002).
 38. Phillips JE, Bogema S, Fu P, Furmaga W, Wu AHB, Zic V, Hammett-Stabler C. Signify ER Drug Screen Test Beta-Site Evaluation: Comparison to Triage Drug of Abuse Panel Plus TCA. *Clinica Chimica Acta* (in press).
 39. Winecker RE, Broussard LA, Roper-Miller J, Hammett-Stabler CA. The Toxicology of Heavy Metals. Part III. Getting the Lead Out. *Laboratory Medicine* (submitted).

Non-refereed:

1. Ketchum (Hammett-Stabler) CH. Urinary Stones. *Clin Chem News* 1989;15(3):10-11.
2. Robinson CA, Ketchum (Hammett-Stabler) CH. Common Hemoglobinopathies and

- Thalassemias. Clin Chem News 1990;16(12):8-9.
3. Ketchum (Hammett-Stabler) CH. 8-Methoxypsoralen. Clin Chem News 1991;17(4):8.
 4. Ketchum (Hammett-Stabler) CH. Fetal Lung Maturity Testing. Clin Chem News 1991;17(8):8-10.
 5. Hammett-Stabler C. Thyroid Testing in the 90's. Advance for Laboratory Professionals 1994;6(35):10-11.
 6. Hammett-Stabler C. New Issues in Workplace Drug Testing. Advance for Laboratory Professionals. 1995;7(9):14-15.
 7. Hammett-Stabler C. Cholesterol-Lowering Drugs. Therapeutic Drug Monitoring and Toxicology 1996;17:227-229.
 8. Hammett-Stabler C. Lab Plays Vital Role in Fetal Lung Maturity Assessment. Advance for Laboratory Professionals 1997;9(1):10-11,19.
 9. Hammett-Stabler CA. Mibefradil, A Novel Calcium Antagonist. Therapeutic Drug Monitoring and Toxicology 1998; 19:59-61.
 10. Hammett-Stabler CA. Update of Thyroid Testing. The Learning Scope. Advance for Medical Laboratory Professionals. 1998;10:11-17.
 11. Hammett-Stabler CA. Super Aspirins: Selective Cyclooxygenase-2 Inhibitors. Therapeutic Drug Monitoring and Toxicology 1998;19:231-4.
 12. Hammett-Stabler CA. Pheochromocytoma. Advance for Laboratory Professionals 1998;10:12-15.
 13. Hammett-Stabler CA. Fomepizole: A New Treatment for Ethylene Glycol and Methanol Poisoning. Therapeutic Drug Monitoring and Toxicology 1999;20:31-2.
 14. Hammett-Stabler CA. TDM: A Valuable Tool to Optimize Drug Therapy. Advance for Medical Laboratory Professionals 1999;11:24-9.
 15. Hammett-Stabler CA. Modafinil. Therapeutic Drug Monitoring and Toxicology 1999;20:219-221.
 16. Gullledge C, Phillips J, Hammett-Stabler C. New Kids on the Block: An Update on Selected "Club Drugs". Therapeutic Drug Monitoring and Clinical Toxicology Division Newsletter 2001;15(4):1-6.
 17. Phillips JE, Hammett-Stabler C. Mercury Toxicity: Is it a Big Concern? Therapeutics & Toxins 2002;17(2):1-2,7-9.

Abstracts:

1. Murray FT, Grant MB, Ketchum (Hammett-Stabler) CH, Maurer J, Theiss C, Mehl T, Cameron D. Pituitary-Testicular Alterations and Evaluation of Spermatogenesis in Normal Volunteers and Six Male Patients with Prolactinomas. Clin Res 1981;29:822A.
2. Murray FT, Cameron D, Ketchum (Hammett-Stabler) CH. Detailed Evaluation of Pituitary-Testicular Function in Ten Men with Prolactin Secreting Tumors. Endocrinology Supp 1982;111:148.
3. Ketchum (Hammett-Stabler) CH, Riley WJ, Maclaren NK. Adrenal Dysfunction in Asymptomatic Patients with Adrenal Antibodies. Endocrinology Supp 1983;112:134.
4. Ketchum (Hammett-Stabler) CH, Robinson CA, Grizzle WE, Hall LM, Maclaren NK. Lactate Dehydrogenase Isoenzyme Six: Biochemical Properties and Clinical Significance. Clin Chem 1983;29:1168.

5. Ketchum (Hammett-Stabler) CH, Robinson CA. Unusual LD Isoenzyme Electrophoresis Patterns: Real or Artifact? Clin Chem 1984;30:1001.
6. Ketchum (Hammett-Stabler) CH, Robinson CA, Scott JW. An Atypical LD Electrophoresis Pattern Resulting from an LD-IgA Complex. Clin Chem 1984;30:1001.
7. Ketchum (Hammett-Stabler) CH, Robinson CA. Rapid and Sensitive Analysis of Tocainide in Serum by Reversed-Phase High Performance Liquid Chromatography. Clin Chem 1986;32:1081.
8. Chastain SL, Ketchum (Hammett-Stabler) CH, Grizzle WE. Alteration of the Electrophoretic Mobility of Human Brain Type Creatine Kinase (CK-BB) Activity. Clin Chem 1986;32:1129.
9. Ketchum (Hammett-Stabler) CH, Robinson CA. Isolation of Mitochondrial Lactate Dehydrogenase. Clin Chem 1987;33:995.
10. Robinson CA, Ketchum (Hammett-Stabler) CH, Cooper C, Russell J. Evaluation of the Abbott TDx FLM for Predicting Fetal Lung Maturity. Clin Chem 1988;34:1233.
11. Ketchum (Hammett-Stabler) CH, Robinson CA. Association of LD-6 with Serum Mitochondrial Enzymes. Clin Chem 1988;34:1285.
12. Bourge RC, Kirklin JK, Figg WD, Naftel DC, White-Williams C, Ketchum (Hammett-Stabler) CH. Diltiazem-Cyclosporine Interaction in Cardiac Transplant Patients: Impact on Cyclosporine Dose and Medication Costs. Clin Res 1989;37:248A.
13. Ketchum (Hammett-Stabler) CH, Stabler TV, Upton KA, Robinson CA. Positivity Rate of Urine Opiate Tests Following Ingestion of Poppy Seeds. Clin Chem 1990;36:1026.
14. Robinson CA, Morrison M, Ketchum (Hammett-Stabler) CH. Evaluation of On-Site THC Screening Products. Clin Chem 1990;36:1027.
15. Robinson CA, Ketchum (Hammett-Stabler) CH, Huang ST. Analysis of 8-Methoxypsoralen by HPLC. Clin Chem 1990;36:1047.
16. Robinson CA, Ketchum (Hammett-Stabler) CH, Colburn N, Meyer R. Effect of Ethyl Alcohol on Reaction Times as Measured on a Motorcycle Simulator. Clin Chem 1990;36:1170.
17. Ketchum (Hammett-Stabler) CH, Robinson CA, Williams B, Bell DSH. Evaluation of Commercially Available Tests for Urinary Microalbumin. Clin Chem 1990;36:1180.
18. Anderson PG, Ketchum (Hammett-Stabler) CH, Sincell JA, Bishop SP, Digerness SB. Time Course of Isoenzyme Shifts During Development of Pressure Overload Hypertrophy in the Rat. Circulation 1990;82(III):270.
19. Bourge RC, Kirklin JK, Naftel DC, Ketchum (Hammett-Stabler) CH, Mason D, Siegel AL, Scott J, Stabler TV. Prospective Comparison of Cyclosporine Whole Blood Levels by Monoclonal Parent Compound, Monoclonal Nonspecific, and Polyclonal Nonspecific Assays. J Heart Transplantation 1990;9:80.
20. Robinson CA, Ketchum (Hammett-Stabler) CH, Stabler TV. Five Way Comparison of Quinidine. Clin Chem 1991;37:1012.
21. Robinson CA, Stabler TV, Ketchum (Hammett-Stabler) CH. Comparison of Ferritin by Two Non-Isotopic Methods With IRMA. Clin Chem 1991;37:1038.
22. Stabler TV, Ketchum (Hammett-Stabler) CH, Robinson CA, Scott JW, Siegel AL. Comparison of 4 Free T4 (FT4) Methods with FT4 by Equilibrium Dialysis (ED). Clin Chem 1991;37:940.

23. Ketchum (Hammett-Stabler) CH, Scott JW, Craft, LV. Monitoring of Fetal Lung Maturity in High-Risk Pregnancies. *Clin Chem* 1991;37:988.
24. Ketchum (Hammett-Stabler) CH, Stabler TV. Cyclosporine in Whole Blood: Comparison of Two Non-Isotopic Immunoassays with ¹²⁵I RIA. *Clin Chem* 1991;37:1004.
25. Stabler, TV, Ketchum (Hammett-Stabler) CH, Farringer J. Inactivation of Tobramycin by Piperacillin as a Function of Concentration, Time and Temperature. *Clin Chem* 1992;38:1007.
26. Ketchum (Hammett-Stabler) CH, Craft LV, Stabler TV, Crim A. Evaluation of Two Non-Isotopic Immunoassays for Prostate Specific Antigen (PSA). *Clin Chem* 1992;38:1104.
27. Ketchum (Hammett-Stabler) CH, Price ME, Rudge FW, Wolf EG. Evaluation of Glucose Monitoring Devices for Use in Hyperbaric Chambers. *Am J Clin Pathol* 1993;99:339-340.
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34. Hammett-Stabler, CA. The Impact of Hemoglobin-based Oxygen Carrying Blood Substitutes on Clinical Chemistry Tests. *Annals of Clin Lab Sci* 1999;29: 230-1.
35. Winecker RE, Roper-Miller JD, Hammett-Stabler CA, Chapman JF. HbA1c as a Postmortem Tool to Identify Glycemic Control. *Academy of Forensic Science Proceedings*. 2001;7:320.
36. Phillips J, Hall D, Hammett-Stabler CA, Phillips JC, Chapman JF. Rapid Determination of Ethylene Glycol and Alcohols using Capillary Gas Chromatography. *Clin Chem* 2001;47(S6):A76-7.
37. Hammett-Stabler CA, Chapman JF, Winecker RE, Roper-Miller JD. The Measurement of HbA1c in Postmortem Blood as a means to Identify Antemortem Glycemic Control. *Clin Chem* 2001;47(S6):A5.
38. Bogema S, Fu P, Furmaga W, Hammett-Stabler C, Phillips J, Wu AHB, Zic V. Signify[®] ER Drug Screen Test beta-Site Evaluation: Comparison to Triage[®] Drug of Abuse Panel Plus TCA. *Clin Chem* 2002;48(S6):A46-7.

Chapters:

1. Tsibris JCM, Ketchum (Hammett-Stabler) CH, Eppert JE, Sherill WL, Safian RD, West CM. Aminimide Polymers as Supports for Affinity Chromatography, Under Low and High Pressure, of Microsomal Enzymes in: Microsomes and Drug Oxidations. Ullrich V (Ed.), Pergamon Press, 170-176, 1977.

2. Hammett-Stabler CA, Goldberger B, Ropero-Miller J. Drugs of Abuse in: Medical Toxicology. AACC Press; 1998.
3. Hammett-Stabler CA, Johns T. Antibiotic Drug Monitoring in: NACB Standards of Laboratory Practice Guidelines for Therapeutic Drug Monitoring Services. AACC Press; 1998.
4. Chapman CF, Hammett-Stabler CA, Phillips JE. Pregnancy and Fetal Development. In Clinical Chemistry Theory, Analysis, Correlation, 4th edition. Kaplan LA, Pesce AJ, eds. St Louis Mosby. (in press)
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Books and Monographs:

1. Hammett-Stabler CA. Metabolic Bone Disease - Osteoporosis. AACC Press, 1999.
2. Hammett-Stabler CA. Osteoporosis. AACC Press, (in revision)

Book Reviews:

1. Handbook of Analytical Therapeutic Drug Monitoring and Toxicology. Therapeutic Drug Monitoring and Clinical Toxicology Newsletter. 1997;12(3):7.
2. Impurities Evaluation of Pharmaceuticals. Anal Chem 1999;71:632A.
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4. The Clinical Toxicology Laboratory: Contemporary Practice of Poisoning Evaluation. Clinica Chimica Acta. 2002;320:141-2.

PRESENTATIONS:

Papers:

1. Lactate Dehydrogenase Isoenzyme Six: Clinical Significance and Biochemical Properties. SEAACC Section Meeting; April, 1983.
2. Comparison of Available Methods for Measurement of Cyclosporine A. Southeastern Pharmacology Society; Oct, 1983.
3. Lactate Dehydrogenase Isoenzyme Six: Biochemical Properties and Clinical Significance. American Association for Clinical Chemistry. New York, July 1983.
4. Iron Toxicity; Too Much of A Good Thing. Laboratory Diagnosis of Disorders of the Gastrointestinal Tract; Atlanta, GA; Nov 5, 1997.
5. Changes in Cardiac Troponin I Following Cardiac Transplantation; Frontiers of Clinical Science; Providence, RI; May 2, 1998.
6. The Impact of Hemoglobin-based Oxygen-carrying Substitutes on Clinical Chemistry Tests. Frontiers of Clinical Science; Columbus, OH. May 6, 1999.

Invited:

1. Fetal Lung Maturity Testing. University of Alabama at Birmingham, Maternal/Fetal Medicine Grand Rounds; Birmingham, AL; April, 1989.
2. Fetal Lung Maturity Testing. Jefferson County Medical Technology Association; March 13, 1990.

3. Research and Development in the Clinical Laboratory at the University of Alabama at Birmingham. Eastman Kodak Company; Rochester, NY; May 29, 1990.
4. Thyroid Testing in the Nineties. Southeast Medical Center; National Laboratory Week; Dothan, AL; April 17, 1991.
5. Automated Immunoassay Systems: Evaluation of the Tosoh AIA 1200. Alabama State Medical Technology Meeting; Montgomery, AL; April 29, 1992.
6. Scientific Writing Seminar, Hyperbaric Medicine Division, Armstrong Laboratory, Brooks Air Force Base; San Antonio, TX; August 13, 1992.
7. Poppy Seeds and Opiate Testing. Nineteenth Interservice Military Judges' Seminar, Maxwell Air Force Base; Montgomery, AL; May 27, 1993.
8. Normalization of Urinary Drug Levels Using Urinary Creatinine. Department of Defense Tri-Service Meeting; Salt Lake City, UT; June 15, 1993.
9. Poppy Seeds and Opiate Testing. Department of Defense Tri-Service Meeting; Salt Lake City, UT; June 16, 1993.
10. Review of Litigation Packages. Advanced Trial Advocacy Course; Maxwell Air Force Base; Montgomery, AL; September 1, 1993.
11. Current Issues in Workplace Drug Testing. University of Florida, Gainesville, FL; April 1, 1994.
12. Testing for Anabolic Steroids. Advanced Trial Advocacy Course; Maxwell Air Force Base; Montgomery, AL; April 28, 1994.
13. Drug Urinalysis Trial Simulation. Advanced Trial Advocacy Course; Maxwell Air Force Base; Montgomery, AL; April 28, 1994.
14. 60 Minutes Visits the Lab: The Drug Lab of the Early 80's. USAF Drug Testing Laboratory Continuing Education Series; Brooks Air Force Base; San Antonio, TX; May 5, 1994.
15. Effective Memo Writing. USAF Drug Testing Laboratory Continuing Education Series; Brooks Air Force Base; San Antonio, TX; June 16, 1994.
16. Drug Policy: What Works, What Doesn't. American Association for Clinical Chemistry National Meeting; New Orleans, LA; July 17, 1994.
17. Workplace Drug Testing - A Topic That's Not Going Away. Joint Annual Conference of Medical Laboratory Organizations; Orlando, FL; March 3, 1995.
18. The Laboratory's Role in Workplace Drug Testing. Gainesville Area Chamber of Commerce Spring Drug Free Workplace Seminar; Gainesville, FL; May 4, 1995.
19. Nitric Oxide. Roundtable Sessions. American Association for Clinical Chemistry 47th National Meeting; Anaheim, CA; July 1, 1995.
20. Drugs of Abuse Testing: Classical Methods and New Directions. Workshop Session. American Association for Clinical Chemistry 47th National Meeting; Anaheim, CA; July 18, 1995.
21. The Laboratory's Role in Workplace Drug Testing. Gainesville Area Chamber of Commerce Fall Drug Free Workplace Seminar; Gainesville, FL; October 27, 1995.
22. Laboratory Accreditation and Inspection Workshop. Kingston, JA; September 10, 1996.
23. Quality Assurance and Quality Control in the Clinical Laboratory. Kingston, JA; September 13, 1996.
24. New Cardiac Markers. Joint Annual Conference of Medical Laboratory Organizations; Orlando, FL; March 5, 1997.

25. Antimicrobials Testing Recommendations. National Academy of Clinical Biochemistry; Standards of Laboratory Practice; Atlanta, GA; July 19, 1997.
26. Don't Be Fueled by the Creatinine: Interference of Nitromethane with the Jaffé Reaction. Toxicological Mishaps: Exposure and Poisonings with Environmental Chemicals - Impact of Clinical Laboratory Testing; Dallas, TX; Oct 3, 1997.
27. Fetal Lung Maturity Testing. Maternal- Fetal Medicine Conference; University of Florida, Gainesville, FL; January 21, 1998.
28. New Cardiac Markers - Troponin vs Myoglobin vs CK-MB. Shands at LakeShore in-service; Lake City, FL; March 10, 1998.
29. Iron Toxicity: Too Much of A Good Thing. Teleconference Network of Texas; June 2, 1998.
30. Standards of Practice for Therapeutic Drug Monitoring. Workshop Session. American Association for Clinical Chemistry; Chicago, IL; Aug 2, 1998.
31. Fetal Lung Maturity Testing. Roundtable Session. American Association for Clinical Chemistry; Chicago, IL; Aug 5, 1998.
32. The *Standards of Laboratory Practice* in Therapeutic Drug Monitoring. Remaining Issues and Opportunities. University of North Carolina, Chapel Hill, NC; April 21, 1999.
33. Mystery in the Lab. Workshop Session. American Association for Clinical Chemistry; New Orleans, LA; July 28, 1999.
34. Assessment of Fetal Lung Maturity. Roundtable Session. American Association for Clinical Chemistry; New Orleans, LA; July 27, 1999.
35. Fetal Lung Maturity Testing. AudioConference. American Society of Clinical Pathologists; April 5, 2000.
36. Assessment of Fetal Lung Maturity. Roundtable Session. American Association for Clinical Chemistry; San Francisco, CA; July 24, 2000.
37. Mystery in the Lab – Advanced Problem-Solving for Clinical Laboratory Scientists. Workshop Session. American Association for Clinical Chemistry; San Francisco, CA; July 25, 2000.
38. Toxicology in Practice, ISPE UNC Student Chapter. Chapel Hill, NC; October 25, 2000.
39. Osteoporosis: Pathophysiology and Diagnosis. San Francisco General Hospital; Clinical Laboratories and Pathology; February 27, 2001.
40. Osteoporosis: Testing Options and Strategies. Northern California AACC Section; San Francisco, CA; February 27, 2001.
41. Review of Pharmacology. Professional Practice in Clinical Chemistry Review Course; Arlington, VA; Apr 29, 2001.
42. The Basics of Therapeutic Drug Monitoring. Professional Practice in Clinical Chemistry Review Course; Arlington, VA; Apr 29, 2001.
43. The Basics of Toxicology. Professional Practice in Clinical Chemistry Review Course; Arlington, VA; Apr 29, 2001.
44. Career Opportunities in Science. 4th Annual Career Fair, National Institute of Environmental and Health Sciences; Research Triangle Park, NC; May 4, 2001.
45. Mystery in the Lab – Advanced Problem-Solving for Clinical Laboratory Scientists. Workshop Session. American Association for Clinical Chemistry; San Francisco, CA; July 31, 2001.

46. Alternatives and Laboratories: enigmas, puzzles, and predicaments. 3rd Annual Clinical Relevance of Medicinal Herbs and Nutritional Supplements in the Management of Major Medical Problems; Chapel Hill, NC; September 22, 2001.
47. CAMS: Laboratory Issues and Problems. Department of Family Medicine Grand Rounds; University of North Carolina, Chapel Hill, NC; September 24, 2001.
48. Mother Nature: the First Toxicologist. Issues between Pathology and CAMs. Department of Pathology Update in Diagnostic Pathology and Medicine Series; Baystate Medical Center, Springfield MA; December 12, 2001.
49. Clinical Pharmacology from the TDM Perspective. Pharmacogenomics: Improving Pharmacotherapy and Avoiding ADRs; Philadelphia, PA; May 9, 2002.
50. Natural Doesn't Equal Safe. American Association for Clinical Chemistry; Orlando, FL; July 30, 2002.